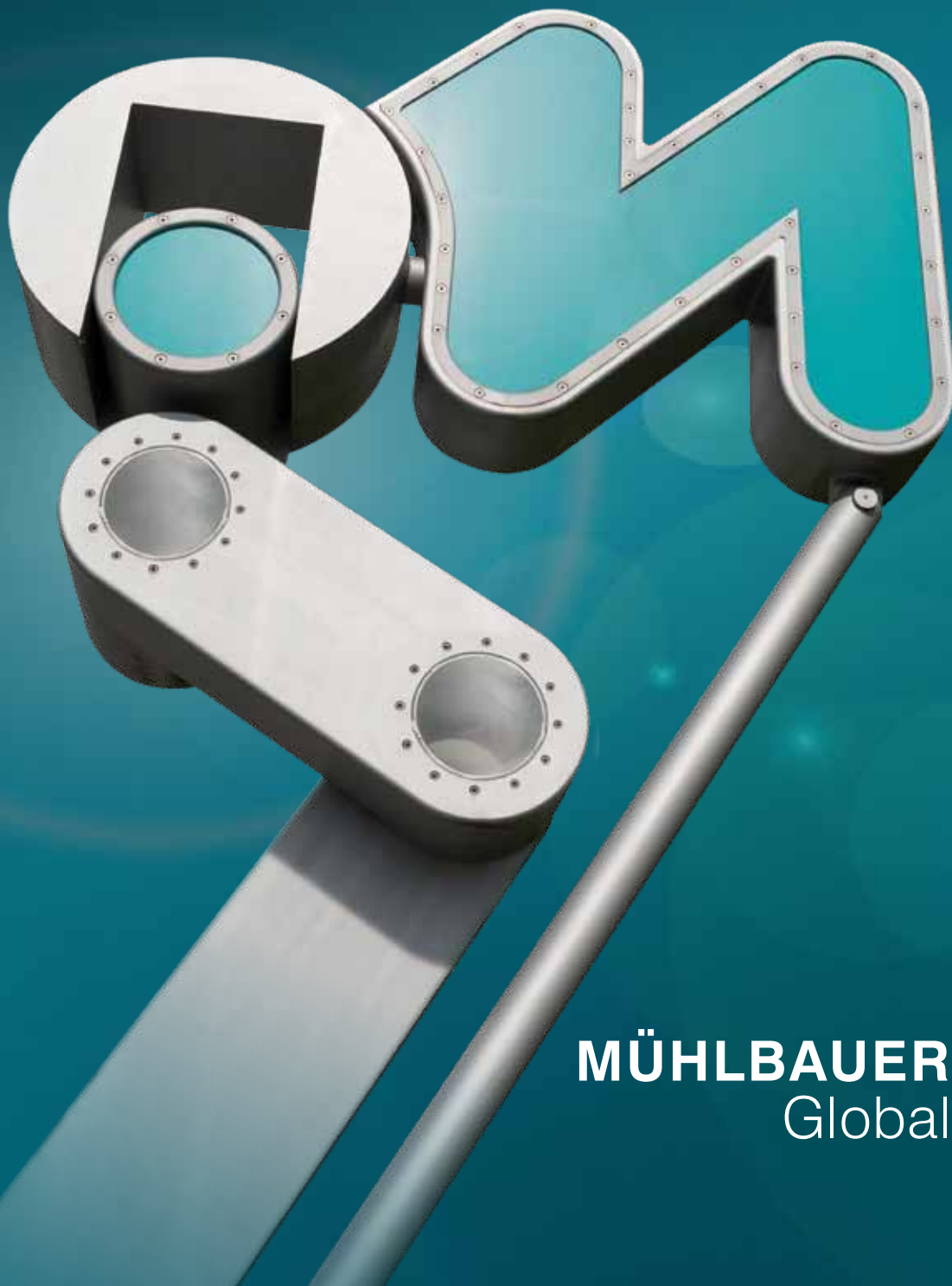




Mühlbauer

High Tech International



MÜHLBAUER GROUP
Global Identity



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TRUST
SERVICE FLEXIBILITY
INNOVATION QUALITY



»» Think different – Act different
– Be different ««



INTRODUCTION

Since the founding of Mühlbauer group in 1981, our world has changed in many ways. Progressive globalisation is causing our world to grow ever closer. Societal structures have evolved and innovative technologies are enriching our lives in many facets.

It's a development in which we have also played a large part over the past 30 years. As visionaries and pioneers in numerous markets, such as Smart ID and RFID, we discovered the enormous potential of our technology and created markets that are firmly established today and which make our lives safer, simpler and more comfortable in many situations.

We also changed ourselves over time due to our innovative and visionary strength. A one-man operation developed into a global company with about 3,000 employees and 35 sites around the world, which is the world leader in several of its markets.

But despite these enormous changes, there are things that have stood the test of time over the years and are as valid today as they were in the past.

For 30 years, our philosophy has been: Our customers are our partners.

An idea that I believe in today more than ever, and which is still the foundation of our business today. The basis of all our business relationships, and of every decision that is made in the Mühlbauer company is: trust and absolute reliability. As we trust our partners, so they trust us - for over 30 years now.

We see the validation of the success of our philosophy not only in our continually growing base, we find it in our partners. More and more companies, governments, and public authorities trust in the Mühlbauer Group's know-how, technology and vision.

But they also trust the people behind the Mühlbauer name. It is only through each employee's engagement with the goals of the Mühlbauer Group that we could become what we are today: A company that enjoys the greatest trust of its partners the world over.

Sincerely, Josef Mühlbauer

»» *Being entrepreneurs means taking responsibility* ««



PHILOSOPHY

"Trust is the basis of our business activities". This sentence is at the core of the foundation upon which Josef Mühlbauer founded the Mühlbauer Group over 30 years ago. Today, this is still the philosophy that characterises us and is ultimately the decisive factor for the continually growing base of the enterprise group. Despite our rapid growth and all the changes we have undergone in the years since the founding, values such as trust and reliability are what distinguish us in a hard-fought global market. More and more governments, public authorities and businesses the world over are coming to this conclusion and thus become partners of the Mühlbauer Group, knowing that having Mühlbauer's word means being able to rely on it. Our partners can also rely on the quality of our products, as they can on our word. Starting with precision parts manufacturing, we have built up enormous know-how in our business areas over the course of our company's history. Our employees, most of whom we have apprenticed, trained and educated in-house, are experts in their fields, whether in production, assembly, service and consulting, or research and development. It is this nearly perfect interaction among these different business areas, which enables us to guarantee the highest level of quality in all our products.

The research and development field holds an outstanding position of importance in our enterprise organisation. Due to our extensive experience, we have developed a deep understanding of our partners' needs. Thanks to our instinct for identifying trends and developments, we have been and continue to be leaders in many of our markets worldwide. This is due in no small part to our R&D department, where a team of about 500 engineers is researching new and innovative technologies every day, which will make our world safer and more comfortable step by step.

In so doing, we always try to stay close to our partners and our markets. Led from our headquarters in Roding, we are present nearly everywhere in the world, with around 35 sites. In this way, we can assure that we can support our partners rapidly and unbureaucratically around the world, and respond to their needs and requirements flexibly and efficiently.



»» *Trust is the basis
of our business activities* ««



EDUCATION

"Education is the heart of our enterprise". We don't only write this sentence on our company profile, we live it. Since the founding of the enterprise, trainees have been a central part of our company. In our over 30-year history, we have paved the way to professional life for thousands of young specialists, starting from apprenticeships. Whether they be mechatronics engineers, IT specialists, or cooks, the broad spectrum of possibilities offers the right path for everyone. This path often leads to an impressive career: About 70 % of our global managers themselves completed in-house training at Mühlbauer. About three of four employees come from our internal educational programme; this places us well above the national average. And the quality of our education is above average too: The fact that we have chosen the right path with our educational concept is evidenced by numerous awards. For instance, in 2002, we were named Germany's best company for training. Since then, we have continuously developed and perfected our training system. Promote and challenge - that is the guiding principle of our education. From day one, we allow - and expect - our trainees to take on responsibility. On the one hand, they learn to work in a team, but on the other, they have the opportunity to develop themselves and their own personality.

But even after a successfully completed training, our former trainees' path at the Mühlbauer Group is not at its end - on the contrary. After onboarding as a specialist, our employees' technical and personal development continues. To this end, we have specifically created our own continuing education academy, the Mühlbauer Academy, to support our employees in their personal development, according to our motto: education brings progress.

Ultimately our partners throughout the world profit from our long experience in passing on our know-how. Through the intensive exchange of technology and know-how with our partners, they are trained competently and comprehensively by our employees - in a similar manner as our trainees.



» Education is the heart
of our enterprise «

HISTORY



Company foundation by Josef Mühlbauer with only one machine for precision parts production

1981

1985

Development of production equipment for the semiconductor backend industry

1988

First turnkey production solutions for the manufacture of plastic cards and smart cards



Mühlbauer goes public (IPO)

1998

1995



Development of the RFID factory

1996



Opening of a new site in Melaka, Malaysia

2003

Positioning in the areas of government security & biometry

2008

Installation of first fully automatic production facilities for flexible thin film solar technology



2009

Opening of Technology center in Newport News, USA and of a new site in Nitra, Slovakia



Increasing acceptance in the market as preferred partner for ID projects

2010



Opening of technology center in Serbia

2012

2014



Opening of the Mühlbauer TECURITY® Center in Roding, Germany and of a new site in Wuxi, China

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SITES



NEWPORT NEWS, USA



RODING, GERMANY



STOLLBERG, GERMANY



NITRA, SLOVAKIA



STARA PAZOVA, SERBIA



MELAKA, MALAYSIA



WUXI, CHINA



TECURITY®

Solutions projects are complex and demanding projects whose successful completion requires extensive experience, great know-how, and a sense of our partners' wishes and needs. With our solutions projects, we don't only deliver machines or software to our partners; solutions projects are comprehensive assignments where the complete responsibility for the project is in our hands. We support our partners closely from the first concept to the local start of production and final delivery of the ID documents to the public. Our partners benefit from the ability to receive all required components for their projects from a single supplier. This does not only present advantages for service and consulting; due to the fact that all components come from our own portfolio, and have been developed and manufactured directly by us, we can ensure that the entire project is implemented efficiently and successfully, and guarantee the quality of the individual components and thus of the entire project.

In order to ensure the successful implementation of solutions projects, we combine our competences from different business areas. In the new TECURITY® Center in Roding, our international experts from the fields of machinery, software and service collaborate closely and intensively to implement the solutions project to our partner's fullest satisfaction.

No project is like any other. A solutions project is a special project where our partner's personal, individual requirements are in the foreground. Therefore, we tailor these projects to our partners' requirements and expectations, and thus ensure that they receive everything necessary for the implementation of their projects. Therefore, each project is unique.

We profit from the enormous experience we have gathered in the field of solutions projects. To date, we have been involved in over 300 ID projects around the globe, and we enjoy the trust of numerous governments and public authorities from all parts of the world.



»» Every solutions project
is unique ««



AUTOMATION

Our machines are the centrepiece of all our projects - be they solutions or component projects. As an enterprise whose origins are in traditional mechanical engineering, the production of innovative, efficient, and high-quality products has been our speciality for over 30 years. Over the course of our development we have successively expanded the product portfolio for our markets to develop a market position as a complete solutions provider. Therefore, our AUTOMATION business area is the hub for all machines - whether for production of passports, cards, semiconductor products, RFID, or flexible solar cells. Experts from Research and Development, Production, and Service work together closely to develop new machines or to optimise an existing one. We are always in search of new ways of making our products even more reliable and efficient, according to our motto: We make innovations production-ready. Together with our partners, we have developed numerous new technology markets through our intensive research and development activities, and built a market position as a leader in technology. Our focus is the quality of our machines. Due to our high added value, we can guarantee high quality and reliability as well as the long service life of our machines, as all components required by a machine, from precision parts to software, are developed and produced in-house by us. Therefore, we can take on complete responsibility for a project, especially for comprehensive products, where we make the entire production chain for a specific product available to our partners. We support our partners for the entire duration of their projects. With our worldwide service network, we can react to their questions rapidly, simply, and flexibly anywhere in the world, and thus ensure smooth running of their projects. Despite the fact that we started out as a pure mechanical engineering enterprise, we now offer our partners complete product solutions, with everything coming from a single source.



*>> We make innovations
production-ready <<*



PARTS & SYSTEMS

Parts production is the foundation of the Mühlbauer Group's business. All our products have one thing in common: They are based on precise processing of the smallest of pieces. The security-conscious industries that our partners work in set very high expectations for us in this regard.

We meet these expectations through our extensive experience and the resulting competence that we have developed in the production of precision parts and which is concentrated in the MPS group within the Mühlbauer Group. It was our passion for precision that gave rise to the Mühlbauer Group over 30 years ago. Thus we can look back over three decades of experience and know-how.

Our partners count on this competence. Since the founding of the company, we have continuously expanded our customer base. But our earliest partners also continue to trust in our expertise. Thus, over 250 partners now count on precision and quality from Mühlbauer. They come from a variety of industries, such as aerospace, motor sports, and medical technology. As varied as these industries are, they have one thing in common: The precise assembly of parts is a key factor for the safety of their products.

Handling the tiniest part precisely while fulfilling the highest requirements for quality – this is the challenge we pose ourselves every day, with highly qualified, quality-conscious employees and the latest production technology. We take advantage of our extensive experience to offer our partners the highest degree of quality: Detail by detail.

The quality of our products is our highest priority. But flexibility and especially speed are important factors which our partners value highly. With our internal parts production at two independent production sites in Germany and Slovakia, we are not only independent of market fluctuations, but we can react flexibly and quickly to our partners' requirements - overnight if necessary.



» Precision is our passion «



VISIONS & FUTURE

Our markets, our society, and our partners and their expectations evolve and change over time. What was unthinkable many years ago is now routine and accompanies us in our daily lives.

It is one thing to react to these changes. It is another, vastly more difficult matter to anticipate the developments or even to initiate them. Our company history is marked by visions. It starts with investment in a new technology, which was barely known at the time, and can today be found in every mechanical engineering enterprise, namely CNC technology. Even then, company founder Josef Mühlbauer's sense for trends and developments was evident. This sense has been a constant companion in the Group's evolution into a leading technology provider. With our complete solutions, whether in the semiconductor sector, the RFID market, or the electronic security industry, we have always been leaders and pioneers in our markets and have helped to shape them significantly.

To this day, a single question drives us: How can we make the world safer, simpler, and more comfortable? We try to recognise our partners' needs before they themselves are aware of them. We are working today to solve tomorrow's challenges, before they can grow into problems in the future.

Every day, a 500 person international team of experts works to bring the future a little closer to the present. We don't just have a vision - we live it.



»» *We live our vision* ««



SOCIAL RESPONSIBILITY

Since our founding, we have always considered our entrepreneurial activities as a social obligation as well. Being an entrepreneur means taking responsibility. Not only for our own enterprise and our own employees, but the responsibility to help where the need is greatest.

The idea to start our own foundation sprang from this thought. The Josef Mühlbauer Foundation has been supporting social, charitable, and humanitarian organisations and projects around the world, which could not be more diverse. Whether development aid in the form of a hospital in Africa, immediate assistance to flooding victims in Germany, or promotion of regional primary schools, the Josef Mühlbauer Foundation helps where its help is urgently needed.

But motivating others to take on social responsibility themselves has always been as important to us as the act of helping directly. Our success in this undertaking is demonstrated every year in our Mühlbauer charity run. Having had its beginnings as an internal company run, the event has become one of the largest running events in eastern Bavaria. In 2013, over 2,000 athletes from around the world participated to „run for help“. Because every cent collected during the Mühlbauer charity run, through sponsoring, donations, or starting fees, benefits different social and humanitarian projects around the world.

But even outside this major event, the employees of the Mühlbauer Group demonstrate social engagement, for instance during the regular blood drives and the annual Christmas collection.



»» Innovation mobilises ««



Mühlbauer

High Tech International

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